

# PATENT ABSTRACTS OF JAPAN

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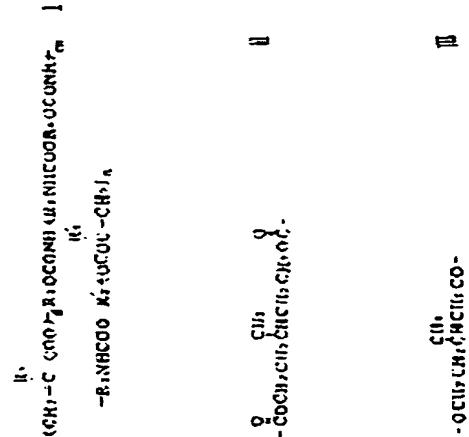
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## (54) URETHANE-MODIFIED ACRYLATE COMPOSITION

### (57) Abstract:

**PURPOSE:** To obtain the titled composition excellent in flexibility, film properties, waterproofness, weathering resistance, etc., and suitable as, e.g., a binder of paints or magnetic tapes, by mixing a urethane-modified acrylate of a specified structure with a polymerizable monomer.

**CONSTITUTION:** The purpose urethane-modified acrylate composition is obtained by mixing a urethane-modified acrylate (A) of formula I (wherein R<sub>1</sub> and R<sub>1'</sub> are each H or methyl, R<sub>2</sub> and R<sub>2'</sub> are each a polyalcohol, R<sub>3</sub> is an organic diisocyanate, R<sub>4</sub> is a polyester polyol having groups of formulas II and III as structural components, m is 1W5 and l and n are each 1W3) with a polymerizable monomer (B) (e.g., styrene or methyl methacrylate). Component A is produced by using a polyester polyol, an organic diisocyanate (e.g., tolylene diisocyanate) and a hydroxyl group-containing (meth)acrylate (e.g., 2-hydroxyethyl acrylate) as starting materials.



## LEGAL STATUS

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